

Logistic Data

Article No.	32416651
Code	HRI-T 2000W/NSC/400/E40
Product EAN	4008597166518
Customs tariff no.	85393290
Box quantity (pcs.)	4
EAN Box	4008597466519
Gross weight of box in kg	3.724
Length of box in m	0.27
Width of box in m	0.28
Height of box in m	0.53
ETIM class	EC000037
ETIM class name	Halogen metal halide lamp
Old type name	HRI-T 2000 W/N/Sc
Product status	Active

Electric Parameters

Lamp nominal wattage	2000 W
Rated wattage	1980.0 W
Energy Consumption kWh/1000h	2178
Mains voltage	400 V
Ignition voltage	4.0 up to 5.0
Lamp's nominal current	9.4 A
Nominal current (A)	9.4 A
Nominal choke current	8.8 A
Running up current max.	190%
Fuse	Daelay-action; min. double nominal current

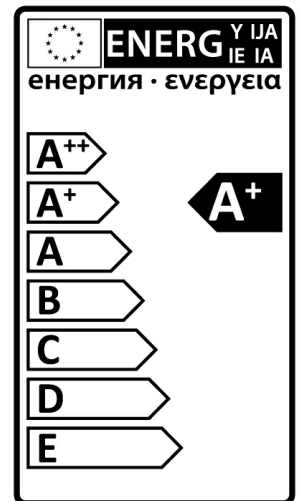
Light Application Parameters

Luminous flux	245000 lm
Luminous flux	245000 lm
Luminous efficiency	123.74 lm/W
Radium light colour	Neutral white
Colour temperature	4500 K
Colour rendering index Ra	63

Service Life

Mean service life	5500 h
Info about service life	12B50, 50Hz
Lamp survival factor at 2000h	0.99
Lamp survival factor at 4000h	0.98
Lumen maintenance at 2000h	0.92
Lumen maintenance at 4000h	0.91
Lumen maintenance at 6000h	0.90
Lumen maintenance at 8000h	0.89
Lumen maintenance at 12000h	0.88
Lumen maintenance at 16000h	0.86
Lumen maintenance at 20000h	0.85





Specification

Energylabel from 2013	A+
Socket	E40
Diameter max.	106 mm
Length max.	430 mm
Total length	430 mm
Controllable (in suitable circuit)	No
dimnable	No
UV-protection	Yes
Mercury content	175.0 mg
Lamp shape	Tube, single-ended
Lamp shape	Tube, single-ended
Model	Clear
Colour	None

Notes on Operation

Burning position	P60
Closed luminaire required	Yes
External ballast required	Yes
Suitable for electronic operation	No
Starter / Ignitor	external
External ignitor required	Yes
Re-ignition behaviour	After a few minutes cooling normal ignition possible.
Ignition assured down to about (°C)	-20 (with heated ignitor -50)

Miscellaneous

EU Directive	TIM
ILCOS name	MT-2000/635-H-E40
LBS name	HIT2000W/635 E40

Notes

High efficient metal halide lampe in neutral white light colour; very high luminous efficiency at good colour rendering.
Please note: New bulb with bigger diameter (106 instead of 100mm)!

Please, refer to www.radium.de/recycling for notes on disposal of burned-out lamps as well as lamp breakage.

The field 'info about service life' contains the frame conditions according to standards based on which the specific service life has been determined. So, for example, "12B50, 50Hz" means that the mean service life (B50) has been determined with a 12h switching cycle at mains (frequency 50Hz), "3B50, HF" is based on a 3h switching cycle at electronic control gear (high frequency).

Notes

Base



E40
IEC/EN 60061-1
sheet 7004-24-6

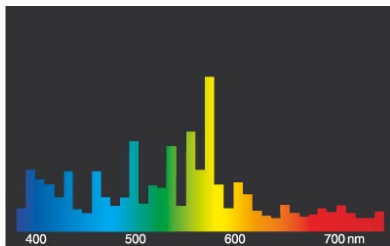
Spectrum

Da das Tageslicht eine Mischung von direktem Sonnenlicht und Himmelslicht darstellt, wechselt seine spektrale Zusammensetzung bedingt durch Tageszeit und Wetter ständig. Die Normlichtart D65 entspricht einem Tageslicht mit einer Farbtemperatur von ungefähr 6500 K.

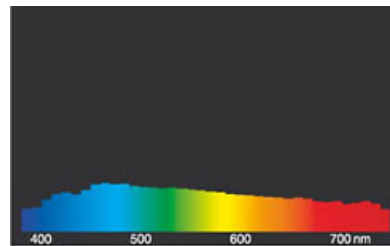
Jeder Entladungslampentyp hat eine seiner Füllung entsprechende, individuelle spektrale Strahlungsverteilung. Daraus ergeben sich dann so wichtige Eigenschaften wie Lichtfarbe oder Farbwiedergabe. Liegen die Spektrallinien eng zusammen, hat die Lampe vermutlich einen sehr guten Farbwiedergabe-Index, also Ra nahe 100. Sieht das Spektrum eher nach einzelnen Linien oder zerfranst aus, ist die Farbwiedergabe der Lampe meist nicht so gut. Wenn Anzahl und Höhe der Spektrallinien im blauen Bereich (um 450nm) überwiegt, handelt es sich vermutlich um eine eher kalte Lichtfarbe wie z.B. Tageslicht. Überwiegt dagegen der rote (um 700 nm) bzw. der rote und gelbe (um 600 nm) Bereich, kann man von einer eher warmen Lichtfarbe wie WDL ausgehen.

Beim Anlauf von Halogen-Metall dampflampen ist der volle Lichtstrom nach ca. 2-4 Minuten erreicht, dann strahlen auch alle im Spektrum vorhandenen Farben.

Sichtbarer Bereich von 380 bis 780 nm; Bildhöhe entspricht der relativen spektralen Emission (400mW/klm) pro 10nm.



HRI.../NSc



Tageslicht (D 65)

General notes

The technical design data in accordance with DIN and IEC. The producer does not take any responsibility for damage to persons or property in case of unsuitable operation or handling of the product. Operating data and dimensions are valid within the usual tolerances. Related lamp types (different bases, mains voltages) may be available on request. Sale and delivery are effected in accordance with the Radium Terms of Delivery and Payment valid on the day of conclusion of contract. Packing units offer economical advantages to the purchase and logistic department. Please match your quantity volume accordingly. For orders of a minimum quantity (clefts) with a lamp model the amount lower than the volume of each packaging unit, we will invoice 10 % additional charge per lamp type. Technical changes and terms of delivery are reserved. Manipulation of any kind to packaging or product is not permissible as this will violate Radium brand rights. Furthermore, technical properties of the product can change to its disadvantage or even destruction. Therefore, Radium cannot be responsible for consequential damages.

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